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THE PLANT DISEASE REPORTER

U. S. DEPARTMENT OF AGRICULTURE

Issued by

THE PLANT DISEASE SURVEY, DIVISION OF MYCOLOGY AND DISEASE SURVEY
BUREAU OF PLANT INDUSTRY, UNITED STATES DEPARTMENT OF AGRICULTURE

SUPPLEMENT 135

DISEASES OF PLANTS REPORTED IN TEXAS SINCE 1933

June 15, 1942

The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

DISEASES OF PLANTS REPORTED IN TEXAS SINCE 1933

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Plant Disease Reporter
Supplement 135

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This list includes plant diseases found by members of the Division of Plant Pathology and Physiology since the publication of the Check List of Plant Diseases^{1/} in 1933. New diseases reported each year have been included in the annual report of the Texas Station up to and including 1937. Since that time they have been reported only through the annual report to the Division of Mycology and Plant Disease Survey. New host plants of the cotton root rot fungus since the publication of the list of susceptible and non-susceptible plants in 1936^{2/} are also included in this compilation.

Material or cultures in some instances were sent to the Division of Mycology and Disease Survey and other authorities for identification or confirmation. Herbarium specimens are available in some cases.

| | | |
|----------------------|-----------------|---------------------------------------|
| ABELIA GRANDIFLORA | Chlorosis | Physiological |
| AGROSTIS STOLONIFERA | Chlorosis | Physiological |
| | Leaf blight | Piricularia grisea (Cke.) Sacc. |
| AILANTHUS GLANDULOSA | Twig blight | Diplodia natalensis Pole-Evans |
| ALBIZZIA JULIBRISSIN | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| ALEURITES FORDII | Crown canker | Diplodia natalensis Pole-Evans |
| | Seedling blight | Sclerotium rolfsii Sacc. |
| ALLIUM ASCALONICUM | Yellow dwarf | Virus |
| ALLIUM CANADENSE | Yellow dwarf | Virus |
| ALLIUM CEPA | Bulb rot | Fusarium sp. |
| | Leaf spot | Aspergillus nidulans (Eidam) Winter |
| | Purple blotch | Macrosporium porri Ell. |
| | Yellow dwarf | Virus |
| ALLIUM SATIVUM | Bulb rot (dry) | Aspergillus sp. |
| | | Diplodia sp. |
| | | Fusarium sp. |
| | | Helminthosporium sp. |
| | | Penicillium sp. |
| | | Sclerotium bataticola Taub. |
| | | Trichoderma sp. |
| | Bulb rot (soft) | Bacillus carotovorus L.R. Jones |

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- ^{1/} Taubenhaus, J. J. and W. N. Ezekiel. Trans. Texas Acad. Sci. 16 (1931-1932): 5-118. Austin, Texas. 1933.
- ^{2/} Taubenhaus, J. J. and W. N. Ezekiel. A rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot. Texas Agr. Exp. Stat. Bull. 527. 50 pp. 1936.

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|-------------------------|--------------------------------|---|
| ALLIUM VINEALE | Yellow dwarf | Virus |
| ALTHEA ROSEA | Rust | Puccinia malvacearum C. E. Bertero |
| AMARANTHUS CAUDATUS | Curly top | Virus |
| AMARANTHUS RETROFLEXUS | Fern-leaf mosaic | Virus |
| AMARANTHUS SPINOSUS | Root knot | Heterodera marioni (Cornu) Goodey |
| AMARANTHUS TRICOLOR | Curly top | Virus |
| AMARYLLIS BELLADONNA | Spotted wilt | Virus |
| AMBROSIA SP. | Stem rot | Sclerotium bataticola Taub. |
| AMBROSIA ARTEMISIFOLIA | Yellows | Virus |
| AMPELOPSIS ACCNITIFOLIA | Leaf spot | Tubercularia nigricans (Bull.) Sacc. |
| AMPELOPSIS TRICUSPIDATA | Leaf spot | Cercospora pustula Cke. |
| AMYGDALUS PERSICA | Canker | Phoma persicae Sacc. |
| ANODA HASTATA | Rust | Puccinia sp. |
| ANTIRRHINUM MAJUS | Crown rot | Myrothecium roridum Tode |
| | Root & stem rot | Pythium sp. |
| ARACHIS HYPOGEA | Witches' broom | Undet. |
| | Rust | Puccinia arachidis Speg. |
| ASTRAGALUS MOLLISSIMUS | Crown rot | Fusarium sp. |
| ATRIPLEX AVENARIA | Curly top | Virus |
| ATRIPLEX LENTIFORMIS | Curly top | Virus |
| ATRIPLEX PATULA | Curly top | Virus |
| AVENA SATIVA | Root lesion | Pratylenchus pratensis (de Man) Filipjev |
| AZALEA SP. | Flower spot | Ovulinia azaleae Weiss |
| | Leaf gall | Exobasidium vaccinii (Fckl.) Wor. |
| BACCHARIS NEGLECTA | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| BAMBUSA SP. | Leaf spot | Coniosporium shiraianum (Syd.) Bub. |
| BARBAREA VULGARIS | Curly top | Virus |
| BAUHAVIA (ORCHID TREE) | Leaf spot | Colletotrichum sp. |
| BEGONIA SP. | Crown rot | Rhizoctonia solani Kühn |
| BETA VULGARIS | Curly top | Virus |
| | Mosaic | Virus |
| BIGNONIA RADICANS | Leaf spot | Myrothecium roridum Tode |
| BOERHAAVIA ERECTA | Black rot | Bacterium campestre (Pammel) E.F.S. |
| BRASSICA ALBA | Root knot | Heterodera marioni (Cornu) Goodey |
| BRASSICA CAMPESTRIS | Crown gall & witches' broom | Bacterium tumefaciens Smith & Townsend |
| BRASSICA RAPA | Anthrachnose | Colletotrichum higginsianum Sacc. |
| | Leaf spot | Cercospora albomaculans (Ell. & Ev.) Sacc. |
| | Mosaic | Virus |
| | Leaf spot | Cylindrosporium brassicae Fautr. & Rouss. |

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| BRASSICA JUNCEA | White rust | Albugo (Cystopus) occidentalis (Wilson) Sacc. & Trav. |
| BROMUS UNICLOIDES | Smut | Ustilago bromivora (Tul.) Fisch. |
| BRYOPHYLLUM SP. | Leaf spot | Alternaria tenuis Nees |
| BUCHLOE (BULBILIS) DACTYLOIDES | Leaf spot | Cercospora seminalis Ell. & Ev. |
| BUXUS SEMPERVIRENS | Root lesion | Pratylenchus pratensis (de Man) Filipjev |
| CALENDULA OFFICINALIS | Chlorosis | Physiological |
| | Spotted wilt | Virus |
| CALLICARPA AMERICANA | Mosaic | Virus |
| CALLISTEPHUS CHINENSIS | Downy mildew | Basidiophora entospora Roze & Cornu |
| CAMELLIA | Leaf spot | Colletotrichum gloeosporioides Penz. |
| | Root knot | Heterodera marioni (Cornu) Goodey |
| CAMELLIA SASANQUA | Leaf gall | Exobasidium camelliae Shirai |
| CANNA INDICA | Rust | II, undet. |
| CAPSICUM ANNUUM | Anthraxnose | Gloeosporium piperatum Ell. & Ev. |
| | Black mold | Cladosporium herbarum (Pers.) Lk. |
| CAPSICUM ANNUUM | Curly top | Virus |
| | Early blight | Alternaria solani (Ell. & Mart.) Jones & Grout |
| | Spotting | Bacterium vesicatorium Doidge |
| CAPSICUM FRUTESCENS | Mosaic | Virus |
| CAPSICUM FRUTESCENS VAR. GROSSUM | Curly top | Virus |
| CARTHAMUS TINCTORIUS | Leaf spot | Septoria carthami Muras |
| CASSIA ARTEMISIOIDES | Stem & twig blight | Diplodia natalensis Pole-Evans |
| | Root knot | Heterodera marioni (Cornu) Goodey |
| CASSIA OCCIDENTALIS | Leaf spot | Cercospora sp. |
| CATALPA SP. | Chlorosis | Physiological |
| CELOSIA ARGENTEA | Curly top | Virus |
| CELOSIA ARGENTEA CRISTATA | Curly top | Virus |
| CELTIS SP. | Limb canker | Septobasidium sydowii Couch |
| | Root rot | Armillaria mellea Vahl. ex Fr. |
| CELTIS MISSISSIPPIENSIS | Leaf spot | Ramularia celtidis Ell. & Kellerm. |
| | Leaf spot | Septoria sp. |
| CERCIS SP. | Stem canker | Valsaria insitiva Ces. & DeNot. |
| CHAMAECYPARIS OBTUSA | Blight | Pestalozzia funerea Desm. |
| CHRYSANTHEMUM SP. | Root lesion | Pratylenchus pratensis (deMan) Filipjev |
| | Stem & foot rot | Fusarium sp. |

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| CHRYSANTHEMUM LEUCANTHEMUM | Pink Mold | Fusarium martii App. & Wr. var. minus Sherb. Fusarium semitectum Berk. & Rav. |
| CICHORIUM ENDIVIA | Tip blight | Bacterium (undet.) |
| CITRULLUS VULGARIS | Black rot | Helminthosporium (undet. sp.) |
| | Charcoal rot | Sclerotium bataticola Taub. |
| | Leaf blight | Macrosporium cucumerinum Ell. & Ev. |
| CITRUS SP. | Black melanose | Undetermined |
| | Blue & green mold | Penicillium sp. |
| | Gummosis | Undetermined |
| | Phytophthora rot | Phytophthora parasitica Dastur |
| | Leaf spot | Colletotrichum gloeosporioides Penz. |
| | Leaf spot | Septoria sp. |
| | Sooty blotch | Gloeodes pomigena (Schw.) A.S. Colby |
| CITRUS GRANDIS | Chlorosis | Physiological |
| | Gummosis | Undetermined |
| | Root rot | Phytophthora sp. |
| | Scaly bark | Virus |
| | Wither tip | Colletotrichum gloeosporioides Penz. |
| CITRUS LIMONIA | Scab | Sphaceloma fawcettii Jenkins |
| | Stem-end rot | Diplodia natalensis Pole-Evans |
| | Twig blight | Tryblidiella rufula (Spreng) Sacc. (saprophytic?) |
| CITRUS NOBILIS UNSHIU | Scab | Sphaceloma fawcettii Jenkins |
| CITRUS SINENSIS | Chlorosis | Physiological |
| | Damping-off of seedlings | Nematodes |
| | Fruit rot | Fusarium limonis Briosi |
| | Sooty mold | Capnodium sp. |
| | Splitting | Non-parasitic |
| COLEUS SP. | Crown rot | Rhizoctonia solani Kühn |
| COPROSMA BOWERI | Leaf spot | Undet. Macrosporium |
| COREOPSIS SP. | Crown rot | Sclerotium rolfsii Sacc. |
| COTONEASTER | Stem blight | Macrophoma stage of Physalos- pora obtusa (Schw.) Cke. |
| | Twig blight | Sphaeropsis malorum Pk. [Physalospora obtusa] |
| CUCUMIS MELO | Curly top | Virus |
| | Leaf spot | Cercospora sp. |
| CUCUMIS SATIVUS | Curly top | Virus |
| | Gray rot | Diplodia sp. |
| CUCURBITA MAXIMA | Leaf spot & stem rot | Phoma subvelata Sacc. |

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| CUPRESSUS SP. | Leaf blight | Macrophoma cupressi (Cke. & Harkn.) Berl. & Bogl. |
| CYDONIA JAPONICA | Twig blight | Sphaeropsis malorum Pk. |
| CYNODON DACTYLON | Smut | Dothiorella ribis (Fuck.) Sacc. |
| DAHLIA | Spotted wilt | Ustilago cynodontis Henn. |
| | Verticillium wilt | Virus |
| DATURA METELOIDES | | Verticillium albo-atrum Reinke & Berth. |
| DATURA TATULA | Spotted wilt | Virus |
| | | Alternaria crassa (Sacc.) Rands |
| DAUCUS CAROTA | Spotted wilt | Virus |
| | Aster yellows | Virus |
| | Leaf blight | Macrosporium carotae Ell. & Langlois |
| DIANTHUS SP. | Anthrachnose | Vermicularia sp. |
| DIANTHUS BARBATUS | Curly top | Virus |
| DIANTHUS CARYOPHYLLUS | Curly top | Virus |
| | Leaf spot & blight | Alternaria dianthi Stevens & Hall |
| | Stem blight | Vermicularia herbarum (Pers.) Lk. |
| DIODIA TERES | Rust | Uromyces spermacoces (Schw.) Curt. |
| DIOSPYROS KAKI | Wilt | Verticillium albo-atrum Reinke & Berth. |
| DIOSPYROS VIRGINIANA | Wilt | Cephalosporium sp. |
| | Wood decay | Sphaeropsis malorum Pk. |
| DOLICHOS SPHAEROSPERMUS | Root rot | Rhizoctonia sp. |
| | Damping-off | Various fungi |
| ECHINOCEREUS CHLORANTHUS | Decay | Helminthosporium sp. |
| ECHINOCHLOA CRUSGALLI | Dwarf | Virus |
| ERIGERON CANADENSIS | Mosaic | Virus |
| ESCHSCHOLTZIA CALIFORNICA | Collar rot | Alternaria sp. |
| | Curly top | Virus |
| EUCALYPTUS LONGIROSTRIS | | Phymatotrichum omnivorum (Shear) Dug. |
| ALGERIENSIS | Root rot | Heterodera marioni (Cornu) Goodey |
| EUONYMUS SP. | Root knot | Alternaria sp. |
| EUSTOMA RUSSELLIANUM | Stem blight | Stilbum cinnabarinum Mont. |
| FICUS CARICA | Canker | Choanephora cucurbitarum (B. & Br.) Thaxter |
| | Fruit rot | Cercospora bolleana (Thüm.) Speg. |
| | Leaf spot | Virus |
| | Mosaic | Botryosphaeria ribis Gross. & Dug. |
| | Stem blight | Capnodium sp. |
| | Sooty mold | Aphelenchoides fragariae (Ritzema Bos) Christie |
| FRAGARIA SP. | Crimp | |

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| FRAGARIA SP. | Leaf spot | Dendrophoma obscurans (Ell. & Ev.) H.W. Anderson |
| FRAXINUS BERLANDIERI | Violet root rot | Rhizoctonia crocorum (Pers.) DC. |
| FRAXINUS TEXENSIS | Leaf spot | Cercospora sp. |
| FRAXINUS VELUTINA | Rust | Puccinia peridermiospora (Ellis & Tr.) Arth. |
| GARDENIA FLORIDA | Sooty mold | Fumago vagans Pers. |
| | Bud drop | Physiological |
| GILIA RUBRA | Meadow nematode | Pratylenchus pratensis (de Man) Filipjev |
| GLADIOLUS SP. | Dry rot | Fusarium sp. |
| | Root knot | Heterodera marioni (Cornu) Goodey |
| GLOXINIA SPECIOSA | Spotted wilt | Virus |
| GOMPHRENA GLOBOSA | Curly top | Virus |
| GOMPHRENA NITIDA | Curly top | Virus |
| GOSSYPIUM HIRSUTUM | Crown gall | Bacterium tumefaciens Smith & Townsend |
| | Phyllosticta leaf spot | Phyllosticta gossypina Ell. & Mart. |
| | Moldy leaf spot | Cercospora gossypina Cke. |
| | Wilt | Verticillium albo-atrum Reinke & Berth. |
| HELIANTHUS ARGOPHYLLUS | Downy mildew | Plasmopara halstedii (Farl.) Berl. |
| | Leaf spot | Septoria helianthi Ell. & Kellerm. |
| HIBISCUS SABDARIFFA | Leaf spot | Cercospora polymorpha Bub. |
| HIBISCUS SP. | Anthraxnose | prob. Colletotrichum hibisci Poll. |
| HICCRIA PECAN | Leaf spots | Mycosphaerella dendroides (Cke.) Demaree & Cole |
| | | Mycosphaerella caryigena Demaree & Cole (Cercospora caryigena (Ell. & Ev.) Höhn.) |
| | | Pestalozzia uvicola Speg. |
| | | Diplodia natalensis Pole-Evans |
| HOLCUS SP. | Blight | |
| | Root and crown rot | |
| | Smut | Pythium arrhenomanes Drechs. |
| HOLCUS HALEPENSIS | | Sphacelotheca cruenta (Kühn) Potter |
| | Streak | Bacterium holcicola Elliot |
| | Seedling blight | Colletotrichum graminicolum (Ces.) Wils. |
| | | Fusarium moniliiforme Sheld. |
| | Leaf spot | Phyllosticta sorghina Sacc. |
| | Lodging, charcoal rot | |
| | Root rot | Sclerotium bataticola Taub. |
| | | Pythium arrhenomanes Drechs. |

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| HOLCUS SORGHUM SUDANENSIS | Crown rot Leaf rust Leaf stripe Southern blight | Colletotrichum lineola Cda. Puccinia sorghi Schw. Bacterium andropogoni E.F.S. Sclerotium rolfsii Sacc. |
| HYDRANGEA SP. | Rust | Puccinia hydroctyles Cke. |
| HYDRCCOTYLE SP. | Stem blight | Phoma herbarum West. |
| HYMENOCLEA MONOGYNA | | Macrosporium puccinioides Ell. & Ev. |
| | Rust | Puccinia splendens Vize |
| ILEX DECIDUA | Leaf spot | Rhytisma ilicinola Schw. |
| ILEX OPACA | Leaf spot | Phyllosticta opaca Ell. & Ev. |
| | Sooty mold | Fumago sp. |
| IPOMOEA BATATAS | Curly top | Virus |
| IPOMOEA PANDURATA | Curly top | Virus |
| IPOMOEA PURPUREA | White rust | Albugo sp. |
| IPOMOEA TRIFIDA | Curly top | Virus |
| | White rust | Albugo ipomoeae-panduranae (Schw.) Sw. |
| IRIS SP. | Rust | Puccinia iridis (DC.) Rabh. |
| JUNIPERUS MEXICANA | Needle blight | Stagonospora pini Grove |
| KENTIA SP. | Anthracnose | Gloeosporium allescheri Bres. |
| KOELREUTERIA BIPINNATA | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| LACTUCA CANADENSIS | Spotted wilt | Virus |
| LACTUCA GRAMINIFOLIA | Spotted wilt | Virus |
| LACTUCA SATIVA | Spotted wilt | Virus |
| LAGERSTROEMIA INDICA | Chlorosis | Physiological |
| | Powdery mildew | Oidium sp., and Erysiphe lagerstroemiae West |
| | Sooty mold | Fumago vagans Pers. |
| LATHYRUS CDORATUS | Leaf mold | Cladosporium album Dowson |
| LEPACHYS COLUMNIFERA | Violet root rot | Rhizoctonia crocorum (Pers.) DC. |
| LESPEDeza STIPULACEA | Southern blight | Sclerotium rolfsii Sacc. |
| LIGUSTRUM SP. | Leaf spot | Pestalozzia guepini Desm. |
| | Sooty mold | Fumago sp. |
| LIGUSTRUM AMURENSE | Chlorosis | Physiological |
| LIGUSTRUM LUCIDUM | Crown gall | Bacterium tumefaciens Smith & Townsend |
| COMPACTUM | | |
| | Root knot | Heterodera marioni (Cornu) Goodey |
| LILIUM LONGIFLORUM | Bud rot | Fusarium sp. |
| | Mosaic | Virus |
| | Scale rot | Penicillium sp. |
| LINUM USITATISSIMUM | Boll & leaf spots | Alternaria sp. |
| | Damping-off | Sclerotium rolfsii Sacc. |
| | Pasmo | Phlyctaena linicola Speg. |
| | Rust | Melampsora lini (Pers.) Lévl. |
| LOBELIA CARDINALIS | Curly top | Virus |
| | Spotted wilt | Virus |
| LOBELIA INFLATA | Curly top | Virus |

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| LOBELIA SPICATA | Curly top | Virus |
| LOBELIA SPLENDENS | Spotted wilt | Virus |
| LOLIUM MULTIFLORUM | Rust | Puccinia coronata Cda. |
| IONICERA SP. | Leaf spot | Cercospora antipus Ell. & Holw. |
| LUPINUS SUBCARNOSUS | Spotted wilt | Virus |
| LYCOPERSICUM ESCULEN- TUM | Bacterial speck | Bacterium punctulans Bryan |
| | Buckeye rot | Phytophthora parasitica Dastur |
| | Bunchy top | Virus |
| | Catface | Undetermined |
| | Core rot | Undetermined |
| | Crown rot & stem canker | Alternaria sp. Helminthosporium sp. Phoma destructiva Plowr. |
| | Curly top | Virus |
| | Damping-off | Pythium sp. Rhizoctonia sp. Fusarium sp. |
| | Early blight | Alternaria solani (Ell. & Mart.) Jones & Grout |
| | Fern leaf | Virus |
| | Filiform leaf | Virus |
| | Fruit mottle | Undetermined |
| | Fruit pox | Undetermined |
| | Fruit rots: | Alternaria sp. |
| | (Smoky rot) | Aspergillus flavus Link (produces perithecia) |
| | (Yellow rot) | Aspergillus flavus Link (produces sclerotia) Aspergillus luteo-niger (Lutz) Thom & Church Aspergillus ochraceus Wilhelm Aspergillus nidulans (Eidam) Winter Aspergillus tamaris Kita Aspergillus terreus Thom |
| | (Green rot) | Botrytis cinerea Auct. |
| | (Botrytis rot) | Botryosporium pulchrum Cda. |
| | Mold | Chaetomium bostrychodes Zopf |
| | (Brown mold) | Fusarium sp. |
| | (Pink mold) | Fusarium sp. |
| | (Myrothecium rot) | Myrothecium sp. |
| | (Inkspot rot) | Pestalozzia sp. |
| | (Phoma rot) | Phoma destructiva Plowr. |
| | (Soft rot) | Pythium sp. Rhizopus nigricans Ehr. |
| | Sclerotium rot | Sclerotinia minor Jagger |
| | Black rot | Thielaviopsis basicola (Berk.) Ferraris Vermicularia dematium (Pers.) Fr. |

LYCOPERSICON ESCULENTUM

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| Leaf roll | Virus ? |
| Milky leaf | Undetermined |
| Mosaic (Aucuba) | Virus |
| Mosaic (crinkle) | Tobacco virus #1 |
| Mosaic (cucumber) | Virus |
| Mosaic (leaf curling) | Virus |
| Mosaic (curly) | Virus |
| Mosaic (dwarf) | Virus |
| Mosaic (yellow) | Virus |
| Mosaic (rugose) | Virus |
| Nailhead rust | Alternaria tomato (Cke.) (Macrosporium tomato Cke.) |
| Puff | Non-parasitic |
| Spotted wilt | Virus |
| Streak | Virus |
| Tip blight | Virus |
| Yellows | Virus |

LYSIMACHIA NUMMULARIA

MAGNOLIA SP.

| | |
|-----------|-----------------------------------|
| Root knot | Heterodera marioni (Cornu) Goodey |
| Leaf spot | Heterosporium magnoliae Weedon |
| Leaf spot | Alternaria tenuis Nees |
| Leaf spot | Epicoccum nigrum Link |
| Leaf spot | Exophoma magnoliae Weedon |
| Leaf spot | Pestalozzia guepini Desm. |
| Leaf spot | Cephaleuros virescens Kze. |

MAGNOLIA GRANDIFLORA

MALUS SYLVESTRIS

| | |
|--------------|--|
| Root knot | Heterodera marioni (Cornu) Goodey |
| Sooty blotch | Gloeodes pomigena (Schw.) A.S. Colby |
| Flyspeck | Leptothyrium pomi (Mont. & Fr.) Sacc. |

MALVAVISCUS SP.

| | |
|-------------|--|
| Twig blight | Sclerotinia sclerotiorum (Lib.) Mass. |
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MATTHIOLA INCANA

| | |
|-------------|---|
| Anthracnose | Colletotrichum gloeosporioides Penz. |
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|-----------|--------------------------|
| Leaf spot | Myrothecium roridum Tode |
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|--------------|-------|
| Spotted wilt | Virus |
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MATTHIOLA BICORNIS

| | |
|--------------|-------|
| Spotted wilt | Virus |
|--------------|-------|

MEDICAGO SATIVA

| | |
|--------------|---------------------------------|
| Downy mildew | Peronospora trifoliorum de Bary |
|--------------|---------------------------------|

MELIA AZEDARACH

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|-----------|-----------------------------|
| Leaf spot | Cercospora subsessilis Syd. |
|-----------|-----------------------------|

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| Twig & stem blight | Fusarium lateritium Nees Eutypella stellulata (Fr.) Sacc. |
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MELILICTUS ALBA

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|-----------|----------------------------------|
| Leaf spot | Ascochyta meliloti (Trel.) Davis |
|-----------|----------------------------------|

MELILICTUS ALBA ANNUA

| | |
|-------------|-----------------------------------|
| Anthracnose | Colletotrichum trifolii S.M. Bain |
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MORUS SP.

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|-----------|--|
| Leaf spot | Phleospora maculans (Bereng.) Allescher |
|-----------|--|

MORUS NIGRA

| | |
|-----------|--|
| Leaf spot | Phleospora maculans (Bereng.) Allescher |
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MORUS RUBRA

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| Blight | Bacterium mori (Boyer & Lambert) emend. E.F.S. |
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| MUSA SP. | Root lesion | Rotylenchus multicinctus (Cobb) Filipjev |
| NANDINA DOMESTICA | Leaf spot | Gloeosporium sp. |
| NICOTIANA TABACUM | Mosaic | Virus |
| NICOTIANA LONGIFLORA | Curly top | Virus |
| NICOTIANA RUSTICA | Curly top | Virus |
| ORYZA SATIVA | Black kernel | Curvularia lunata (Wakker) Boedijn |
| | Leaf smut | Entyloma oryzae H. & P. Syd. |
| | Rotten neck | Piricularia oryzae Bri. & Cav. |
| | Dwarf | Virus ? |
| | Chalky dry rot | Caused by stink bug injury followed by two species of Fusaria identified by C. D. Sherbakoff as F. moniliforme Sheld. and F. semitectum Berk. & Rav. |
| OXALIS SP. | Rust | Aecidium oxalidis Thüm. |
| OXALIS CORNICULATA | Curly top | Virus |
| OXALIS STRICTA | Curly top | Virus |
| OXALIS VIOLACEA | Curly top | Virus |
| PANICUM CAPILLARIOIDES | Leaf spot | Stagonospora curvula Bomm. & Rouss. |
| PAPAVER NUDICAULE | Curly top | Virus |
| PAPAVER ORIENTALE | Curly top | Virus |
| PASPALUM DIGITATUM | Head mold | Fusarium sp. |
| PELARGONIUM SP. | Leaf spot | Alternaria tenuis Nees. |
| PELARGONIUM DOMESTICUM | Spotted wilt | Virus |
| PELARGONIUM GRAVEOLENS | Spotted wilt | Virus |
| PERSEA AMERICANA | Fruit rot | Colletotrichum sp. |
| | Fruit spot | Cercospora sp. |
| PHASEOLUS LATIFOLIUS | Curly top | Virus |
| PHASEOLUS LUNATUS | Ashy stem | Macrophomina phaseoli (Maubl.) |
| MACROCARPUS | blight | Ashby |
| | Curly top | Virus |
| PHASEOLUS VULGARIS | Ashy stem | Macrophomina phaseoli (Maubl.) |
| | blight | Ashby |
| | Curly top | Virus |
| | Halo blight | Bacterium medicaginis (Sackett) E.F.S. |
| | Leaf spot | Cercospora canescens E. & M. |
| | Powdery mildew | Erysiphe polygoni DC. |
| | Meadow nematode | Pratylenchus pratensis (de Man) Filipjev |
| | Yellow mosaic | Virus |
| PHILADELPHUS GRANDIFLORUS | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| PHOENIX CANARIENSIS | (False smut) | Graphiola phoenicis (Moug.) Poit. |
| | Root knot | Heterodera marioni (Cornu) Goodey |
| PHYTOLACCA AMERICANA | Violet root rot | Rhizoctonia crocorum (Pers.) DC. |
| PHYTOLACCA DECANDRA | Fern-leaf mosaic | Virus |
| | Mosaic | Virus |
| PHYSALIS FEDERAEFOLIA | Crinkle mosaic | Virus |

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| PICEA ENGELMANNI | Blight | Pestalozzia sp. |
| PINUS SP. | Sooty mold | Undetermined |
| | Twig blight | Macrophoma magnifructa (Pk.) Sacc. |
| PINUS RESINOSA | Blight | Pestalozzia funerea Desm. |
| PINUS PALUSTRIS | Rust | Peridermium carneum (Bosc) Seym. & Earle |
| PINUS TAEDA | | Lecanosticta acicola (Thüm.) Syd. |
| PISUM SATIVUM | Leaf blight | Cladosporium pisi Cu. & Ma. |
| PLATANUS SP. | Anthraxnose | Gnomonia veneta (Sacc. & Speg.) Kleb. |
| PLUMBAGO SP. | Root knot | Heterodera marioni (Cornu) Goodey |
| POINCIANA GILLIESII | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| POLYANTHES TUBEROSA | Root knot | Heterodera marioni (Cornu) Goodey |
| POPULUS SP. | Leaf spot | Septoria populi Sacc. |
| | Twig blight | Cytospora chrysosperma (Pers.) Fr. |
| | Leaf spot | Alternaria tenuis Nees. |
| | Canker | Cytospora chrysosperma (Pers.) Fr. |
| POPULUS ALBA NIVEA | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| PRUNUS DOMESTICA | Leaf spot | Cercospora circumscissa Sacc. |
| PRUNUS SP. | Chlorosis | Physiological |
| | Limb canker | Bacterium pruni E.F.S. |
| PRUNUS ANGUSTIFOLIA | Brown rot | Sclerotinia fructicola (Wint.) Rehm |
| | Rust | Tranzschelia pruni-spinosae (Pers.) Diet. |
| PRUNUS VIRENS | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| PSEDERA QUINQUEFOLIA | | Guignardia bidwellii (Ell.) Viala & Ravaz |
| PSEUDOTSUGA DOUGLASII | | Botrytis douglasii Tub. |
| PYRACANTHA SP. | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| PYRUS COMMUNIS | Leaf spot | Entomosporium maculatum Lévl. |
| | Sooty blotch | Gloeodes pomigena (Schw.) A. S. Colby |
| QUERCUS SP. | Leaf spot | Phomopsis sp. |
| QUERCUS MARILANDICA | | Hypoderma ilicinum de N. |
| QUERCUS STELLATA | Twig blight | Morencella quercina (Ell. & Mart.) Theissen. |
| QUERCUS VIRGINIANA | Root decay | Xylaria sp. |
| | Die-back | Trabutia erythrospora (Berk. & Curt.) Cke. |
| | | Coryneum sp. |
| | | Pseudovalsa sigmoidea (Cke. & Ell.) Sacc. |
| RAUNUNCULUS FASCICULARIS | Curly top | Virus |

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| RANUNCULUS PUSILLUS | Curly top | Virus |
| RANUNCULUS SCELERATUS | Curly top | Virus |
| RHEUM RHAPONTICUM | Oak root rot | Armillaria mellea Vahl. ex Fr. |
| RHUS VIMINALIS | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| RHYNCHOSPORA COMICULATA | | |
| VAR. INTERIOR | Smut | Testicularia cyperi Klotzsch |
| RIVINA HUMULIS | Violet root rot | Rhizoctonia crocorum (Pers.) DC. |
| ROSA SP. | | Alternaria brassicae (Berk.) Sacc. var. microspora P. Brun. |
| | Black spot | Diplocarpon rosae Wolf |
| | Cane canker | Phomopsis incarcerationata (Sacc.) Höhn. |
| | Cane canker | Pestalozzia rosae Westd. |
| | Cane spot | Sclerotiopsis concava (Desm.) Shear & Dodge |
| | Crown canker | Diplodia natalensis Pole-Evans |
| | Crinkle | Virus |
| | Die-back | Diplodia rosae Berk. & Curt. |
| | Die-back | Physalospora obtusa (Schw.) Cke. (Sphaeropsis malorum Pk.) |
| | Hairy root | Phytomonas rhizogenes Riker et al. |
| | Leaf spot | Mycosphaerella rosicola (Pass.) B. H. Davis |
| | Leaf spot | Sclerotiopsis lythri (Desm.) Shear & Dodge |
| | Powdery mildew | Sphaerotheca pannosa (Wallr.) Lév. |
| | Rust | Phragmidium sp. (not P. americanum nor P. rosae-setigerae) |
| | Rust | Phragmidium americanum (Pk.) Diet. |
| | Stem canker | Coniothyrium fuckelii Sacc. |
| | Streak | Virus |
| | Twig blight | Botryosphaeria ribis Gross. & Dug. |
| ROSA MANETTI | Mosaic | Virus |
| ROSA BRACTEATA | Black spot | Diplocarpon rosae Wolf |
| ROSA SETIGERA | Rust | Phragmidium rosae-setigerae Diet. |
| RUBUS SP. | Double blossom | Fusisporium rubi Wint. |
| | Die-back | Coniothyrium sp. |
| | Leaf spot | Septoria sp. |
| | Sooty blotch | Gloeodes pomigena (Schw.) Colby |
| RUBUS TRIVALIS | Violet root rot | Rhizoctonia crocorum (Pers.) DC. |
| SALIX DISCOLOR | Stem and twig blight | Diplodia salicina Lév. |
| SAMBUCUS SP. | Twig canker | Diplodia sp. |
| SCHIZANTHUS PINNATUS | Spotted wilt | Virus |
| SENECIO CRUENTUS | Spotted wilt | Virus |
| SEQUOIA GIGANTEA | Blight | Pestalozzia funerea Desm. |
| SMILAX BONA-NOX | Leaf spot | Cercospora smilacina Sacc. |
| SOLANDRA GUTTATA | Leaf spot | Cladosporium sp. |

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| SOLANUM CAROLINENSE | Curly top | Virus |
| SOLANUM MELONGENA | Bunchy top | Virus |
| | Curly top | Virus |
| | Sooty mold | Fumago sp. |
| | Seedling wilt | Pratylenchus pratensis (de Man) Filipjev |
| | Yellows | Virus |
| SOLANUM NIGRUM | Curly top | Virus |
| SOLANUM ROSTRATUM | Curly top | Virus |
| SOLANUM TUBEROSUM | Black heart | Physiological |
| | Calico | Virus |
| | "Haywire" | Virus |
| | Curly top | Virus |
| | Interveinal mild mosaic | Virus |
| | Rugose and crinkle mosaic | Virus |
| | Spindle tuber | Virus |
| | Tuber rot | Fusarium sulphureum Schl. |
| SPINACIA CLERACEA | Curly top | Virus |
| | Fusarium wilt | Fusarium spinaciae Sherb. |
| | Rhizoctonia root rot | Rhizoctonia sp. |
| | White rust | Albugo (Cystopus) occidentalis (Wilson) Sacc. & Trav. |
| SPOROBOLUS SP. | Leaf spot | Helminthosporium ravenelii Berk. & Curt. |
| STATICE SP. | | Cercospora staticis Lobik |
| STATICE DUMOSA | Leaf spot | Phyllosticta armeriae Allesch. |
| STENOTAPHRUM SECUNDA- TUM | Brown patch | Rhizoctonia solani Kühn |
| | Foot rot | Helminthosporium sp. |
| TAMARIX ARTICULATA | Root rot | Phymatotrichum omnivorum (Shear) Dug. |
| THUJA SP. | Chlorosis | Physiological |
| | Damping-off | Rhizoctonia sp. |
| | Leaf blight | Macrosporium helminthosporioides (Cda.) Sacc. & Trav. |
| THYELLA THAMNIFOLIA | Mosaic | Virus |
| TRAGIA URENS | Stem blight | Sclerotium sp. |
| TRIFOLIUM AMPHRANTHUM | Rust | Uromyces minor Schroet. |
| TRIFOLIUM CAROLIN- IANUM | Rust | Uromyces sp. |
| TRIPSACUM DACTY- LOIDES | Rust | Puccinia polysora Underw. |
| TROPAEOLUM MAJUS | Curly top | Virus |
| TROPAEOLUM MINUS | Curly top | Virus |
| TSUGA CANADENSIS | Blight | Pestalozzia funerea Desm. |
| ULMUS CRASSIFOLIA | Twig blight | Diplodia ulmi Dearness |
| | Twig blight | Septobasidium sp. |

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| ULMUS PARVIFOLIA | Twig blight | Tubercularia sp. (apparently. Dr. Diehl says "This is a remarkable fungus and not at all typical!") |
| | Twig blight | Didymosphaeria sp. Sacidium ulmi-gallae Kell. & Sw. |
| VACCINIUM (BATODEN- DRON) ARBOREUM | | Ophiodothella vaccinii Boyd |
| VERNONIA FASCICULATA | Rust | Coleosporium vernoniae B. & C. |
| VIGNA SINENSIS | Ashy stem blight | Macrophomina phaseoli (Maubl.) Ashby |
| | Chlorosis | Physiological |
| | Crinkle mosaic | Virus |
| | Stem blight | Sclerotium bataticola Taub. |
| VIOLA ODORATA | Curly top | Virus |
| | Scab | Sphaceloma violae Massey & Jenkins |
| VIOLA TRICOLOR | Curly top | Virus |
| VIOLA SP. | Leaf spot | Colletotrichum violae-rotundi- foliae (Sacc.) Davis |
| WASHINGTONIA FILIFERA | False smut | Gravhiola phoenicis (Moug.) Poit. |
| WISTERIA FRUTESCENS | Powdery mildew | Erysiphe cichoracearum D.C. |
| YUCCA | Leaf spot | Epicoccum asterinum Pat. |
| ZANTEDESCHIA AETHIO- PICA | Spotted wilt | Virus |
| ZANTEDESCHIA ALBO- MACULATA | Spotted wilt | Virus |
| ZANTEDESCHIA REH- MANNI | Spotted wilt | Virus |
| ZEA MAYS | Stalk rot | Bacterium dissolvens Rosen |
| | Wilt | Aplanobacter stewartii (E.F.S.) McCul. |
| | Black bundle | Cephalosporium acremonium Cda. |
| | Leaf spot | Bacterium sp. |
| | Stalk rot | Pythium butleri Subramanian |
| ZINNIA ELEGANS | Root knot | Heterodera marioni (Cornu) Goodey |
| ZINNIA SP. | Spotted wilt | Virus |

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